

Root cause analysis of first responder casualties



First responders... appear to be doing some pretty dumb things. They could be onywhere: In line at the bank, even in your own home!



Dumb:

Lacking intelligence;

Inability to reason through a situation;

Thinking or behaving irrationally.



Momma always said: "Stupid is _____."

Do first responders do dumb things at emergency scenes?

Do responders do dumb things on emergency scenes <u>on purpose</u>?

Can a responder do dumb things <u>accidentally</u>?

Unconscious Incompetence:







16 things we know about the brain &
how it can impact the thinking and actions of first responders .

The brain acts different under stress.

Stressed brains don't function like non-stressed brains.



The brain is adapted for survival (in a hostile environment).

> There are "trip wires" that alert the brain to impending danger.

Under stress, behavior may not appear rational.

That's because it's not!



Stressed brains are NOT very good at figuring out solutions to complex problems.

> Stressed brains use shortcuts, rules of thumb & estimates. (guesswork)

Confusion stresses the brain. And the brain doesn't like confusion. So it gets to work... making sense of things. Working memory (short-term memory) has a very limited capacity.

Volumes of information can become the enemy.

The brain prioritizes incoming information (Based more on emotional cues than rational logic.)

And you may not be able to control what information is remembered or forgotten.

HIGH PRIORITY

The conscious brain cannot multitask.

This includes paying attention in a dynamically changing environment.



The subconscious brain can multitask... and it's REALLY good at it.

Emotions compel behavior.

And the two biggie emotions are...

The brain processes audible messages as visual images.

Human's listen with the "Mind's Eye"

This can cause overload in dynamically changing environments and then...

The brain can be fooled into learning.

FACT FICTION Brains are not very good at distinguishing FACTS from vividly imagined FICTION.



Once locked on to doing something (like a plan of action) it can very difficult to change the mind or to see an alternate solution. The judging brain cannot learn.

Avoid being quick to judge the performance of others.

Learn to ask the right questions.



Training and experience develops habits (memory).



Kinesthetic HO (muscle movement) Muscles learn their habits from muscle movement.

Muscles don't learn habits from verbal instructions.











I have a favor to ask...

Pay it forward



Helping you see the bad things coming... in time to change the outcome.

Richard B. Gasaway www.SAMatters.com Rich@RichGasaway.com

